

*Appl. No. 09/918,844
Amtd. Dated August 11, 2004
Reply to Advisory action of July 29, 2004

Claim Amendments

1-19. (Canceled)

20. (Currently amended) A polytetrafluoroethylene (PTFE) material comprising:

aggregations of nodes;

short fibrils extending in a plurality of non-linear directions to
multidirectionally interconnecting the nodes within each of at least some of the aggregations to
form expanded aggregations; and

long fibrils interconnecting the aggregations.

21. (Original) The material of claim 20 wherein the long fibrils have average lengths of about 100 to 1000 microns.

22. (Original) The material of claim 20 wherein the long fibrils have average lengths of about 500 to 1000 microns.

23. (Original) The material of claim 20 wherein the short fibrils have average lengths of about 10 to 30 microns.

24. (Original) The composite article as recited in claim 20, wherein the aggregations have densities of less than about 2.0 grams per cubic centimeter.

25. (Original) The composite article as recited in claim 20, wherein the nodes have densities of about 2.0 to 2.2 grams per cubic centimeter.

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26. (Currently amended) A polytetrafluoroethylene (PTFE) material comprising:

expanded aggregations of nodes, the nodes in each of at least some of said aggregations being multidirectionally non-linearly interconnected by fibrils having average lengths of about 10 to 30 microns;

long fibrils having average lengths of about 500 to 1000 microns interconnecting the aggregations;

said at least some of said aggregations having densities of less than 2.0 grams per cubic centimeter; and

the nodes having average densities of about 2.0 to 2.2 grams per cubic centimeter.

27. (Currently amended) A polytetrafluoroethylene (PTFE) material comprising:

aggregations of nodes;

short fibrils extending in a plurality of non-linear directions to interconnecting the nodes in the aggregations to form expanded aggregations; and

long fibrils interconnecting the aggregations.